



Data Management Plans (DMPs) for Research Proposals

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Workshop Schedule

Wednesday, July 28:

Workshop 1:

*Data Management Plans (DMPs) for Research
Proposals*

Wednesday, July 28 to Monday August 2:

Homework:

Writing Your DMP

Wednesday, August 4:

Workshop 2:



Workshop 1 Overview

- **U.S. DOT Public Access Plan**
- **Definitions**
- **Data Curation**
- **Break 1** [0.45 to 0.55]
- **Data Management Plans**
- **Break 2** [1.25 to 1.35]
- **Data Management Plan Writing Resources and Tools**
 - **DMPTool Demo** [1.45 to 2.15]
- **DMP Writing Time** [2.20 to 3.00]



U.S. DOT Public Access Plan



U.S. Open Data Initiatives

My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.

— PRESIDENT OBAMA, 01/21/09



114TH CONGRESS
2D SESSION

S. 2852

To expand the Government's use and administration of data to facilitate transparency.

114TH CONGRESS
2D SESSION

H. R. 5051

To expand the Government's use and administration of data to facilitate transparency, effective governance, and innovation, and for other purposes.

3 **SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

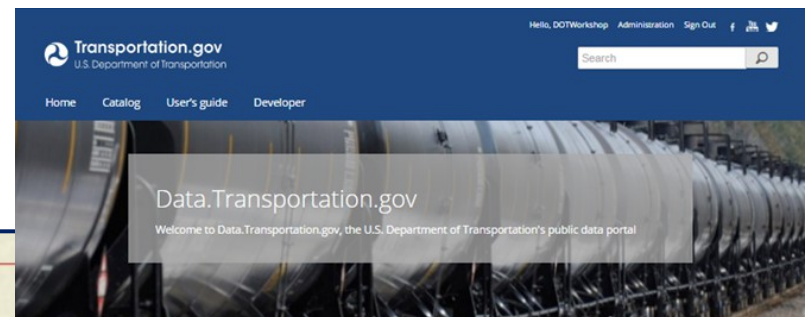
4 (a) SHORT TITLE.—This Act may be cited as the

H. R. 4174

5 “Open, Public, Electron

6 Data Act” or the “OPEN

DATA.GOV



U.S. Department of Transportation
National Transportation Library



U.S. Department of Transportation
National Transportation Library

U.S. DOT Public Access Plan: NTL Mandates

Transportation Equity Act for the 21st Century (1998)

“...establish and maintain a National Transportation Library, which shall contain a collection of statistical and other information needed for transportation decision making at the Federal, State, and local levels.”

Moving Ahead for Progress in the 21st Century Act (MAP-21) (2012)

- Acquire, preserve and manage transportation information and information products and services for use by DOT, other Federal agencies, and the public;
- Central repository for DOT research results and technical publications; &
- Central clearinghouse for transportation data and information of the Federal Government

White House Office of Science and Technology Policy memo (2013)

- requiring all Executive Departments and Agencies spending more than \$100 million/year on R&D to ensure public access to peer-reviewed publications and digital datasets arising from federally-funded scientific research

“Plan to Increase Public Access to the Results of Federally-Funded Scientific Research” (2015)

- Serve as DOT Public Access solution by preserving and sharing research publications and data;
- Maximize the impact of the Federal research investment; &
- Preserve, index, and share data management plans

Foundations for Evidence-Based Policymaking Act of 2018, Title II: The Open, Public, Electronic, and



U.S. DOT Public Access Plan

Plan to Increase Public Access to the Results of Federally-Funded Scientific Research

Version 1.1

December 15, 2016

- **Information** is the fundamental currency of transportation research, and **drives** the **advances** in safety, state of good repair, economic competitiveness, livable communities and environmental sustainability that such research enables.
- This plan sets out a **framework** for enhancing the **tracking** of the complete **research lifecycle at the project level**, from project initiation to the submission of project deliverables, and on to research implementation through the deployment of research outputs and products.
- This **plan** establishes objectives to **ensure public access to Publications and Digital Data Sets** arising from DOT-managed research and development (R&D) programs.
- Many DOT R&D programs are already making data sharing a priority.... The purpose of this plan is to **scale and institutionalize** those intramural and extramural R&D **access practices** across the Department.

· <https://doi.org/10.21949/1520559>



U.S. DOT Public Access Plan: Requirements

Researchers and authors are subject to U.S. DOT Public Access requirements if:

- U.S. DOT funded scientific research;
- Newly funded or extended on or after January 1, 2016.

Exceptions:

- Research funded on or before 12/31/2015
- Small Business Innovation Research (SBIR) program research results
- Research conducted under formerly federal funds directed to alternative sources prior to their apportionment to a specific research program/project, including: state DOT funds; pooled funds; SP&R; and, TRB cooperative research programs

Researchers and authors will need to submit:

- 2 – 3 page Data Management Plan (with proposal);
- ORCiDs for each author;
- Final peer-reviewed manuscript;
- Final Digital Datasets; and,
- Any other written outputs (metadata, data documentation, final reports, technical reports, tech summaries, etc.: aka the Data Package)

• <https://doi.org/10.21949/1503647>



U.S. DOT Public Access Plan: Guidance to Researchers

- Fulfilling **minimum metadata requirements**, including conformance/interoperability with the common core metadata required under the Open Data Policy (OMB-13-13): Project Open Data metadata schema.
- Choosing a repository which provides **persistent identifiers** for Digital Data Sets and listing the standards that a repository should follow for implementation of those identifiers.
- Working with awardee(s), the data repository, and the DOT grant manager to ensure that:
 - Data meet **minimum quality** standards
 - Data is appropriately **evaluated for** and **secured to prevent disclosure** of *personally identifiable information, protect proprietary interests, confidentiality, and intellectual property rights*.
 - Data is **licensed** in a manner that encourages both **access and reuse** (OMB-13-13).

• <https://doi.org/10.21949/1503647>



Questions?



Definitions



Key Terms

Scientific Research

Activities comprising creative work undertaken on a systemic basis in order to increase the stock of knowledge, including knowledge of man, culture and society. [NOT: lab equipment, facilities, etc..]

Publications

Any final peer-reviewed manuscript accepted for publication, any intramural technical or final reports, and Any Scientific Research project written deliverable (e.g., technical/final reports) that arises from extramural research funded, either fully or partially, by federal funds awarded through a DOT-managed contract, grant, or other agreement.

Digital Datasets

All scientific data collected through research projects funded, either fully or partially, by federal funds awarded through a DOT contract, grant or other agreement or collected by DOT employees. Such scientific data are the digitally recorded factual materials resulting from research that is necessary to validate research findings.



Key Terms

Data Management

deliberate planning, creation, storage, access and preservation of data produced from a given investigation^{1, 2}

Data Management Plan (DMP)

a knowledge management document for the data lifecycle

Data Curation

enables data discovery and retrieval, maintains data quality, adds value, and provides for re-use over time³

Data Science

drawing useful conclusions from large and diverse data sets through exploration, prediction, and inference⁴

Open Science



Data Curation



Benefits of Data Curation

- Protects Unique Data from Loss
- Improves Data Search & Retrieval
- Enables Reuse
- Facilitates Longitudinal and/or Meta Analyses
- Avoids Duplication of Effort & Spending
- Increases Verifiability
- Opens New Lines of Scientific Discovery
- Satisfies Public Access & Open Government & Legal Requirements



About Data Curation: Reactive Actions

Reactive

Curation & Preservation

- Repository Ingest
- Access & Reuse
- Preservation/Mitigation
- Format Migration
- Disposition



About Data Curation: Proactive Actions

Reactive

Curation & Preservation

- Repository Ingest
- Access & Reuse
- Preservation/Mitigation
- Format Migration
- Disposition

Proactive

Creation & Collection

- Standard Workflows: *File Naming*
- Data Management & Training: *DMPs*
- Robust Documentation: *Readme & Codes*
- Controlled Vocabularies: *Data Dictionaries*
- Metadata Standards: *Choose & Publicize*
- Persistent Identification: *DOI, ORCID, ROR*
- Preservation Planning: *Repository & Backups*



Linked Processes

Data Management (DM) is **Necessary Element** of Data Curation
(DC)

$$DM \in DC$$

Data Curation (DC) **Enables** of Data Science (DS)

$$DC \Rightarrow DS$$



Data Curation Dependencies Model

Data Management \in Data Curation \Rightarrow Data Science

DM \in DC \Rightarrow DS



You Have the Most Important Role

Well-planned and implemented data management:

- Protects against data loss;
- Allows for sharing and re-use;
- Fulfills public access laws;
- Is a vital element of curation and preservation;
- Enables future data science and evidence-based decision-making

Questions?



Break: 10 Min

Data Management Plans (DMPs)



DMP for DOT Public Access

Data Management Plan (DMP)

A **brief narrative document** created as part of the **research proposal**.

A compliant DMP describes:

- The researcher's **plan for handling** the raw and final dataset(s) generated during research; and,
- How the research proposal **conforms to DOT policy** on the dissemination and **sharing** of research results.

A compliant DMP will include 6 sections which provide:

- Name and contact information for the project;
- A description of the expected final research data to be produced;
- An explanation of standards used for data and metadata collection, format, and content;
- A listing of policies for access and sharing the final research data, including provisions for appropriate protection of
 - Personal privacy;
 - Business confidentiality;
 - National security;
 - Intellectual property; and,
 - Other rights or requirements;
- Policies and provisions for re-use, re-distribution, and the production of derivatives; and,
- Plans for archiving of, and long-term access to, final research data and publications.



~~“Writing a DMP is an unreasonable burden. I don’t have time.”~~

Researchers and authors are subject to U.S. DOT Public Access requirements if:

- U.S. DOT funded scientific research;
- Newly funded or extended on or after January 1, 2016.

Exceptions:

- Research funded on or before 12/31/2015
- Small Business Innovation Research (SBIR) program research results
- Research conducted under formerly federal funds directed to alternative sources prior to their apportionment to a specific research program/project, including: state DOT funds; pooled funds; SP&R; and, TRB cooperative research programs

Researchers and authors will need to submit a Data Package containing:

- **Data Management Plan (with proposal);**
- ORCiDs for each author;
- Final technical report(s) and/or peer-reviewed manuscript(s);
- Final Digital Datasets; and,
- Any other written outputs (metadata, data documentation, tech summaries, etc..)

• <https://doi.org/10.21949/1503647>



“DMPs and data preservation are unfunded mandates...”

From our FAQs:

Q. Should the budget and its justification specifically address the costs of implementing the DMP?

A. *Yes.*

As long as the costs are allowable in accordance with the applicable cost principles, and necessary to implement the DMP, such costs may be included of the proposal budget, and justified in the budget justification.

Price varies widely based on level of curatorial effort.

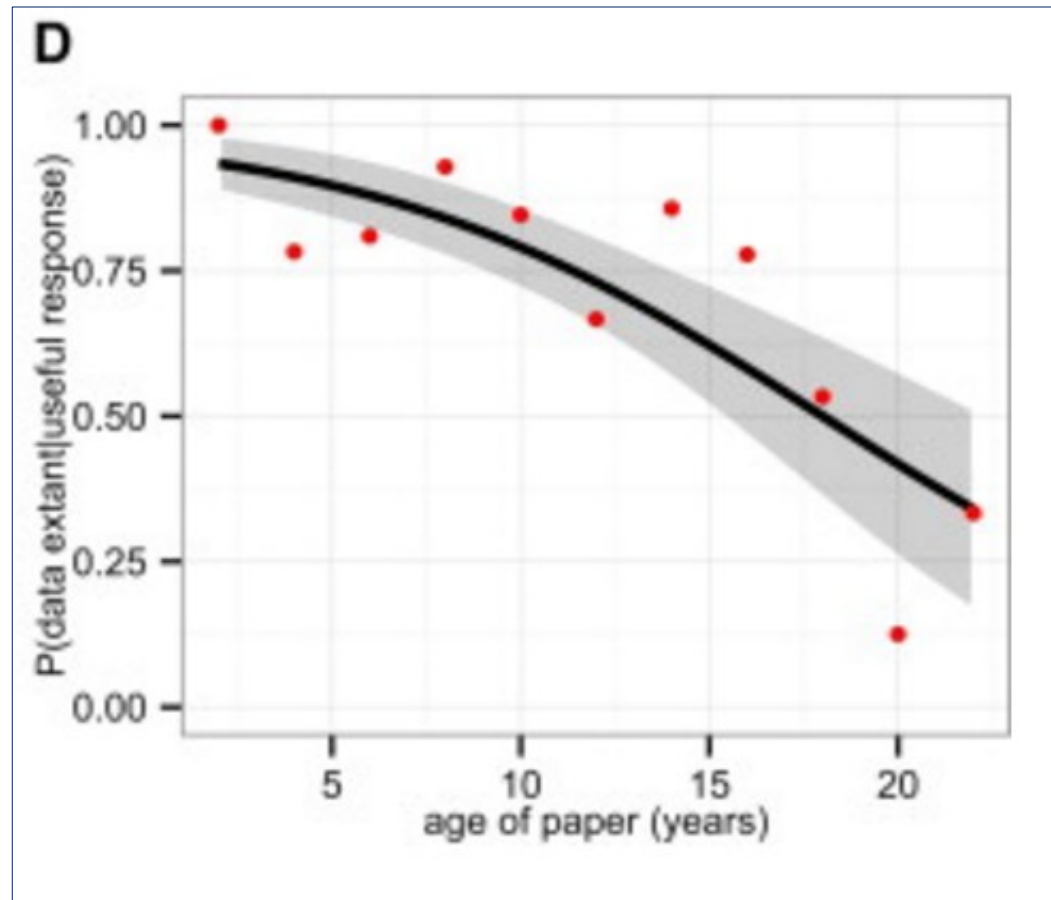
Staff time for data management should be included in budget.

Price of Storage Rule of thumb (for in DOT use-only, not for public distribution):

For 10 GB of data with at least file corruption and validity checking, as well as file format migration as needed, the cost should not exceed a one-time fee of \$150 for a data preservation period of at least 5 years. Don't be afraid Ask for estimate from

Data Management Protects Data from Loss

Data
Availability
Declines at
17% per year



Public Access Objectives

- Affirm and enhance DOT's **commitment to Public Access** to Scientific Research results, including digitally formatted scientific data without charge to the maximum extent possible.
- **Support** governance of and **best practices for managing** Public Access to peer-reviewed **Publications and Digital Data** Sets across DOT.
- **Ensure continuous access** to and reliable preservation of DOT-funded Publications and Digital Data Sets for research, development and education purposes, within available resources.
- Preserve and increase the use of Scientific Research results to **enhance scientific discovery and deployment of research results**.
- Enhance the use of Scientific Research results **to promote innovation and economic competitiveness**.
- Affirm DOT's support for **the reproducibility of Scientific Research results**.
- Make **DOT's research portfolio** available to the **public** at the project level.



DOT DMP Sections

0. Dataset and Contact Information

- 1. Data Description**
- 2. Standards Employed**
- 3. Access Policies**
- 4. Re-Use, Redistribution, and
Derivative Products Policies**
- 5. Archiving and Preservation Plans**

· <https://doi.org/10.21949/1520562>



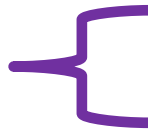
DOT DMP Sections and the Data Lifecycle

DMP Metadata



0. Dataset and Contact Information

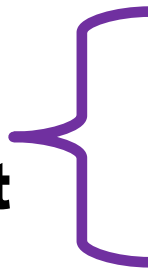
Data creation



1. Data Description

2. Standards Used

Data's life beyond the original project



3. Access Policies

4. Re-Use, Redistribution, and Derivative Products Policies

5. Archiving and Preservation Plans

· <https://doi.org/10.21949/1520562>



DOT DMP Section 0: Dataset and Contact

0. Dataset and Contact Information

Staff lead: *Enter lead researcher, PI, or lead staff name.*

Staff lead ORCID: *Enter ORCID or other identifier.*

Contact information: *Add address, email, phone number, and agency's name.*

Title of Dataset: *Add title of dataset.*

URL: *Add URL to dataset.*

This is an ☒ initial DMP or a ☐ revised DMP.

Date this version of DMP was written:

<https://orcid.org/>

Open Researcher & Contributor ID

- ISO 27729
 - Distinguishes any person from every other person
 - Registered and globally unique
 - https URI: 16-digit numerical identifier preceded by "https://orcid.org/"
- <http://orcid.org/0000-0002-0543-4268>



Getting an ORCID:

For more information on Persistent Identifiers and how to register for you own ORCID check out NTL's LibGuide.

- Persistent Identifiers
 - How to get an ORCID



DOT DMP Section 1: Data Description

Section Summary

- Provide a description of the data that you will be gathering in the course of your project.
- You should address the nature, scope, and scale of the data that will be collected.
- Describe the characteristics of the data, their relationship to other data, and provide sufficient detail so that reviewers will understand any disclosure risks that may apply.
- Discuss value of the data over the long-term.

Prompts

1. Name the data, data collection project, or data producing program.
2. Describe the purpose of the research.
3. Describe the data that will be generated in terms of nature and scale (e.g., numerical data, image data, text sequences, video, audio, database, modeling data, source code, etc..).
4. Describe methods for creating the data (e.g., simulated; observed; experimental; software; physical collections; sensors; satellite; enforcement activities; researcher-generated databases, tables, and/or spreadsheets; instrument generated digital data output such as images and video; etc..).
5. Discuss the period of time data will be collected and frequency of update.
6. If using existing data, describe the relationship between the data you are collecting and existing data.
7. List potential users of the data.
8. Discuss the potential value of the data have over the long-term for not only your institution, but also for the public.
9. If you request permission not to make data publicly accessible, explain rationale for lack of public access.
10. Indicate the party responsible for managing the data.
11. Describe how you will check for adherence to this data management plan



DOT DMP Section 2:

Standards Used

Section Summary

- Describe the anticipated formats that your data and related files will use.
- To the maximum extent practicable, and in accordance with generally accepted practices in your field, your DMP should address how you will use platform-independent and non-proprietary formats to ensure maximum utility of the data in the future.
- If you are unable to use platform-independent and non-proprietary formats, you should specify the standards and formats that will be used and the rationale for using those standards and formats.
- Identify the metadata standards you will use to describe the data.

Prompts

1. List in which format(s) the data will be collected. Indicate if they are open or proprietary.
2. If you are using proprietary data formats, discuss your rationale for using those standards and formats.
3. Describe how versions of data be signified and/or controlled.
4. If the file format(s) you are using is(are) not standard to your field, describe how you will document the alternative you are using.
5. List what documentation you will be creating in order to make the data understandable by other researchers.
6. Indicate what metadata schema you are using to describe the data. If the metadata schema is not one standard for your field, discuss your rationale for using that scheme.
7. Describe how will the metadata be managed and stored.
8. Indicate what tools or software is required to read or view the data.
9. Describe your quality control measures.



DOT DMP Section 3:

Access Policies

Section Summary

- Describe any access restrictions that may apply to your data. In general, data from research projects funded wholly or in part by U.S. DOT must be made publicly accessible. Exceptions to this policy are data that contain personally identifiable information, confidential business information, or classified information.
- Protecting research participants and guarding against the disclosure of identities and/or confidential business information is an essential norm in scientific research. Your DMP should address these issues and outline the efforts you will take to provide informed consent statements to participants, the steps you will take to protect privacy and confidentiality prior to archiving your data, and any additional concerns (e.g., embargo periods for your data). If necessary, describe any division of responsibilities for stewarding and protecting the data among Principal Investigators or other project staff.
- If you will not be able to deidentify the data in a manner that protects privacy and confidentiality while maintaining the utility of the dataset, you should describe the necessary restrictions on access and use. In general, in matters of human subject research, your DMP should describe how your informed consent forms will permit sharing with the research community and whether additional steps, such as an Institutional Review Board (IRB), may be used to protect confidentiality.



Prompts

1. Describe what data will be publicly shared, how data files will be shared, and how others will access them.
2. Indicate whether the data contain private or confidential information. If so:
 1. Discuss how will you guard against disclosure of identities and/or confidential business information.
 2. List what processes you will follow to provide informed consent to participants.
 3. State the party responsible for protecting the data.
3. Describe what, if any, privacy, ethical, or confidentiality concerns are raised due to data sharing.
4. If applicable, describe how you will deidentify your data before sharing. If not:
 1. Identify what restrictions on access and use you will place on the data.
 2. Discuss additional steps, if any you will use to protect privacy and confidentiality.

<https://doi.org/10.21949/1520562>



DOT DMP Section 4: Re-Use, Redistribution...

Section Summary

- Describe who will hold the intellectual property rights for the data created by your project.
- Describe whether you will transfer those rights to a data archive, if appropriate.
- Identify whether any copyrights apply to the data, as might be the case when using data purchased from third parties.
- If you will be enforcing terms of use or a requirement for data citation through a license, indicate as much in your DMP.
- Describe any other legal requirements that might need to be addressed.

Prompts

1. Name who has the right to manage the data.
2. Indicate who holds the intellectual property rights to the data.
3. List any copyrights to the data. If so, indicate who owns them.
4. Discuss any rights be transferred to a data archive.
5. Describe how your data will be licensed for reuse, redistribution, and derivative products.



DOT DMP Section 5: Archiving and Preservation

Section Summary

Describe how you intend to archive your data and why you have chosen that particular option. You may select from a variety of options including, but not limited to:

- Use of an institutional repository
- Use of an archive or other community-accepted data storage facility
- Self-dissemination

You must describe the dataset that is being archived with a minimum amount of metadata that ensures its discoverability. Whatever archive option you choose, that archive must support the capture and provision of the US Federal Government Project Open Data Metadata Schema. In addition, the archive you choose must support the creation and maintenance of persistent identifiers (e.g., DOIs, handles, etc..) and must provide for maintenance of those identifiers throughout the preservation lifecycle of the data. Your plan should address how your archiving and preservation choices meet these requirements.

Prompts

1. Discuss how you intend to archive your data and where (include URL).
2. Indicate the approximate time period between data collection and submission to the archive.
3. Identify where data will be stored prior to being sent to an archive. You should also:
4. Describe how back-up, disaster recovery, off-site data storage, and other redundant storage strategies will be used to ensure the data's security and integrity.
5. Describe how data will be protected from accidental or malicious modification or deletion prior to receipt by the archive.
6. Discuss your chosen data archive's policies and practices for back-up, disaster recovery, off-site data storage, and other redundant storage strategies to ensure the data's security and integrity for the long-term.
7. Indicate how long the chosen archive will retain the data.
8. Indicate if the chosen archive employs, or allows for the recording of, persistent identifiers linked to the data.
9. Discuss how your chosen data repository meets the criteria outlined on the
Guidelines for Evaluating Repositories for Conformance with the DOT Public Transportation Library's National Transportation Data Archive may be an option for your research data. Contact us at public.access@dot.gov for more information.



Commodity Flow Survey 2017

<https://doi.org/10.21949/1522565>

Data Management Plan (DMP) for Commodity Flow Survey (CFS) 2017 Dataset
Bureau of Transportation Statistics (BTS),
U.S. Department of Transportation (USDOT)
2021-06-01

Persistent link: <https://doi.org/10.21949/1522565>

Recommended Citation:

U.S. Department of Transportation, Bureau of Transportation Statistics. (2020). Commodity Flow Survey (CFS) 2017 [datasets]. <https://doi.org/10.21949/1522565>

Change log:

2021-06-01: Initial DMP written

CONTENTS

0. Dataset and Contact Information
1. Data Description
2. Standards Employed
3. Access Policies
4. Re-Use, Redistribution, and Derivative Works
5. Archiving and Preservation Plans
6. Policies Affecting this Data Management Plan

0. Dataset and Contact Information

Staff lead: Jesse A. Long
Staff lead ORCID: <https://orcid.org/0000-0001-9142-1000>
Contact information: 1200 New Jersey Avenue
N.W. Washington, D.C. 20590-0001
U.S. Department of Transportation, Bureau of
Title of Dataset: Commodity Flow Survey (CFS)
URL: <https://doi.org/10.21949/1522565>
This is an initial DMP or a revised DMP

Organizational Contact Information

Name: Commodity Flow Survey
Institution: Office of Data Development and
Department of Transportation
Address: 1200 New Jersey Ave SE, Wash
Email: cfs@dot.gov

1. Data Description:

General:
The Commodity Flow Survey (CFS) is a joint
U.S. Census Bureau, U.S. Department of Commerce
level data on domestic freight shipments by

and selected retail and services trade industries located in the 50 states and the District of Columbia provided on the type, origin and destination, value, weight, modes of transportation, distance in miles of commodities shipped. The CFS is conducted every 5 years as part of the economic census. The CFS provides a modal picture of national freight flows and represents the only publicly available source of commodity data for the highway mode. The CFS was conducted in 1993, 1997, 2002, 2007, 2012, and most recently in 2017.

The CFS assesses the demand for transportation facilities and services, energy use, and safety and environmental concerns. CFS data are used by policy makers and transportation planners in various states, and local agencies. Additionally, business owners, private researchers, and analysts use CFS data to analyze trends in the movement of goods, mapping spatial patterns of commodity and vehicle forecasting demands for the movement of goods, and determining needs for associated infrastructure equipment.

The CFS publication provides data by shipment characteristics of commodities transported in the publication data series include the geographic area series, temperature control series, exports and hazardous materials series.

Exports Shipments:

An export in the CFS is defined as shipment to a foreign country from the 50 states and Washington, D.C. Shipments to U.S. possessions and territories are also treated as exports. Respondents to the CFS report the foreign city, country of destination, and mode of transport by which the shipment left the U.S. Also asked the respondent to report the U.S. port, airport, or border crossing of exit and report the "mode" of transport used to reach the U.S. destination. Due to the exclusion of industries outside of CFS (see Industry Coverage), these data are not directly comparable to the 2017 merchandise trade published by the Department of Commerce.

Shipment characteristics including value, tons, and ton-miles are presented in summary form in the publication data series, which is defined as the shipment weight multiplied by the mileage traveled by the shipment domestic mileage only for the calculation.

Hazardous Materials Shipments:

The U.S. Department of Transportation defines hazardous materials as belonging to one of the nine classes, as shown below.

- Hazardous Material Classes
- Class 1—Explosives
 - Class 2—Gases
 - Class 3—Flammable Liquids
 - Class 4—Flammable Solids
 - Class 5—Oxidizing Substances and Organic Peroxides
 - Class 6—Toxic Substances and Infectious Substances
 - Class 7—Radioactive Materials
 - Class 8—Corrosive Substances
 - Class 9—Miscellaneous Hazardous Materials

As part of the shipment characteristics collected in the 2017 CFS, we asked respondents to provide the four-digit United Nations (UN) or North American (NA) identification number. For the 2017 CFS data, we used the UN/NA code to: (1) identify the shipment as hazardous material, and (2) assign the shipment to one of the nine hazardous material classes for purposes of producing summary tabulations.

The data from the 2017 CFS for hazardous material shipments are aggregated to these nine classes, as well as their subcategories known as divisions. Data are also shown for selected UN/NA codes.

For the 2017 CFS, 26 Standard Classification of Transported Goods (SCTG) codes were identified as always being hazardous materials. Even if the respondent left the UN/NA code blank, we assigned the shipment to the appropriate UN/NA code. For example, every shipment of gasoline (SCTG 17110) was assigned a UN/NA code of 1203 either by the respondent or during our tabulation process. When an SCTG could have translated to more than one UN/NA code, the shipment was reviewed and the appropriate UN/NA code was chosen.

Please note that because of the industry coverage and shipment definitions of the CFS, certain hazardous materials such as infectious substances or radioactive wastes were not well represented in the CFS data.

The UN classification system has been adopted for worldwide use by the United Nations Committee of Experts on the Transport of Dangerous Goods. The UN system was incorporated into the Federal Code of Regulations by the U.S. Department of Transportation for domestic transportation in 1980. The NA system is a parallel hazard identification system used in North America when transporting hazardous materials that are not assigned a UN number or when transporting under specific North American exceptions. For additional information about the UN or NA codes, please refer to Title 49, Code of Federal Regulations, Part 172.101.

2. Standards Employed:

The data files collected here are saved in the ubiquitous and common .csv file format. Documentation will include this data management plan, and the metadata and readme files created in 2021. Documentation will also include the variable definitions, tables, data dictionary, and relevant supporting files created alongside the data from 2017.

A Project Open Data Version 1.1 .json metadata file will be created to describe the archival location of this data, and that .json file will be uploaded to data.gov and transportation.data.gov

Necessary software tools: The file formats found in the zip files include: .txt files and .csv files, which can be opened using any text editor; .xls files, which can be opened with Microsoft Excel, and other free available software, such as OpenRefine; .json files, which can be opened in text editors or xml editors; and, .pdf files which can be opened with PDF readers.

3. Access Policies:

These data files are in the public domain, and all information.

4. Re-Use, Redistribution, and Derivative Works:

These data are managed by the Bureau of Transportation Statistics and are available for re-use without restriction.

Citation of the data is appreciated. Please use:
U.S. Department of Transportation,
Survey (CFS) 2017 [datasets]. <https://doi.org/10.21949/1522565>

5. Archiving and Preservation Plans:

The dataset will be archived in the National Archives (ROSA P). Prior to archiving, the data are stored in the U.S. DOT systems are secured and backed up.

Files in ROSA P are backed up in NTL drive

repository managing facility, daily; and in Amazon Web Service Cloud servers in Virginia and Oregon daily.

The dataset will be retained in perpetuity.

NTL staff will mint persistent Digital Object Identifiers (DOIs) for each dataset stored in ROSA P. These DOIs will be associated with dataset documentation as soon as they become available for use.

The DOIs associated with this dataset include: <https://doi.org/10.21949/1522565>

The assigned DOI resolves to the repository landing page for the "Commodity Flow Survey (CFS) 2017" dataset, so that users may locate associated metadata and supporting files.

ROSA P meets all the criteria outlined on the "Guidelines for Evaluating Repositories for Conformance with the DOT Public Access Plan" page: <https://ntl.bts.gov/publicaccess/evaluatingrepositories.html>

6. Policies Affecting this Data Management Plan

This data management plan was created to meet the requirements enumerated in the U.S. Department of Transportation's 'Plan to Increase Public Access to the Results of Federally-Funded Scientific Research' Version 1.1 << <https://doi.org/10.21949/1520559> >> and guidelines suggested by the DOT Public Access website << <https://doi.org/10.21949/1503647> >>, in effect and current as of December 03, 2020.



Questions about DMPs



Break: 10 Min



Data Management Plan Writing Resources and Tools



DOT DMPs: A Summary

~~A data management plan (DMP) describes how researchers will handle digital data~~
both during and after a research project. DMPs will describe how the research proposal conforms to DOT policy on the dissemination and sharing of research results. Each plan should include a 2- to 3-page narrative description covering:

- The final research data to be produced in the course of the project;
- The standards to be used for data and metadata format and content;
- Policies for access and sharing the final research data, including provisions for appropriate protection of privacy, confidentiality, security, intellectual
- property, and other rights or requirements;
- Policies and provisions for re-use, re-distribution, and the production of derivatives; and
- Plans for archiving final research data and other research products, and for preservation of access to them.

DOT-funded research projects are expected to be conducted pursuant to the approved DMP.

A DMP may evolve as the research project evolves and should be reviewed for possible revision whenever a data management procedure is changed.

DMP Template Worksheet

DMP Sections Guidelines

1. Data Description: Provide a description of the data that you will be gathering in the course of your project. You should address the nature, scope, and scale of the data that will be collected. Describe the characteristics of the data, their relationship to other data, and provide sufficient detail so that team members or reviewers will understand any disclosure risks that may apply. Discuss value of the data over the long-term.

As general guidance you may consider addressing the following:

- 1.01) Name the data, data collection project, or data producing program.
- 1.02) Describe the purpose of the research or data collection.
- 1.03) Describe the data that will be generated in terms of nature and scale (e.g., numerical data, image data, text sequences, video, audio, database, modeling data, source code, etc.).
- 1.04) Describe methods for creating the data (e.g., simulated; observed; experimental; software; physical collections; sensors; satellite; enforcement activities; researcher-generated databases, tables, and/or spreadsheets; instrument generated digital data output such as images and video; etc.).
- 1.05) Discuss the period of time data will be collected and frequency of update.
- 1.06) If using existing data, describe the relationship between the data you are collecting and existing data.
- 1.07) List potential users of the data.
- 1.08) Discuss the potential *benefits* of the data *long-term* (e.g., into U.S. DOT) but also *for the public*.
- 1.09) If you request permission to access.
- 1.010) Indicate the party responsible for the data.
- 1.011) Describe how you will manage the data.

BTS DMP Worksheet

Generic
20161026

Creating Data Management Plans for Intramural Data Creators

Getting DMP Help at U.S. DOT

U.S. DOT researchers and offices are encouraged to follow data management best practices in order to ensure the long-term preservation of, and access to, research, statistical and other data created by the U.S. DOT. Further, good data management practices will help you comply with White House and DOT requirements for transparency and public access.

The National Transportation Library is happy to consult with DOT researchers and offices which need help implementing robust data management. Please contact us at NTL.data.curator@dot.gov to set up an appointment.

Data Management Plans (DMPs) Content Overview

A data management plan (DMP) describes how you will handle digital data both during and after a project. DMPs will describe how you will comply with DOT policy on the dissemination and sharing of research results and data. Each plan should include a 2-3 page narrative description covering:

- The final research or statistical data to be produced in the course of the project;
- The standards to be used for data and metadata format and content;
- Policies for access and sharing the final datasets, including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, and other rights or requirements;
- Policies and provisions for re-use, re-distribution, and the production of derivatives; and
- Plans for archiving final data, publications, and other products, and for preservation of access to them.

DOT research and statistical projects will benefit if conducted pursuant to a robust DMP. A DMP may evolve as the project evolves and should be reviewed for possible revision whenever a data management procedure is changed.

Basic Information

0. Basic Information

- 0.01 Lead researcher, or lead staff name: Click here to enter lead research, PI, or lead staff name.
- 0.02 Lead researcher, or lead staff ORCID or other identifier: Click here to enter ORCID or other identifier.
- 0.03 Lead researcher contact information: Click here to enter contact information here.
- 0.04 Organization: Click here to enter the home organization of the lead listed above.
- 0.05 Other researchers: Click here to enter names and ORCIDs of other team members. Please separate individuals with semicolons.
- 0.06 Title of Research Proposal/Project: Click here to enter the title of proposal or project.
- 0.07 URL: Click here to enter URL.
- 0.08 This is an ☐ initial DMP or a ☐ revised DMP.

- Based word for word on DOT template
- Helps researchers gather needed information
- Answer each applicable prompt with a complete sentence: 2- to 4-page DMP come out the other end
- BTS-, DOT-, external researcher-tested!



U.S. DOT Public Access Guidance Pages

Bureau of Transportation Statistics

Topics and Geography

Statistical Products and Data

Home / National Transportation Library (NTL) / Public Access

Public Access

Plan



Info. For Researchers



Info. for USDOT Evaluators

Info. For Repositories

FAQs

Training Resources

DOT Public Access

Monday, March 1, 2021

The USDOT Public Access Plan is issued in (OSTP) Memorandum for the Heads of Executive Departments and Agencies, "Policy of Federal Agency Information Management of Federally Funded Scientific Research". The plan requires that research results of greater than \$100 million in yearly research be made available to the public's access to the results of federally funded research.

This plan establishes objectives to ensure that research results from managed research and development (R&D) are made available to the public. Research in progress and technical reports, such as the Transportation Research Board's research, are given priority. DOT's intramural research program is given priority on an incremental basis. DOT's extramural research program is to scale and institutionalize those in progress.

Overview of the Research |

• <https://doi.org/10.21949/15036>



U.S. DOT DMP Guidance



Bureau of Transportation Statistics

Topics and Geography Statistical Products and Data

Home / National Transportation Library (NTL) / Public Access

Public Access

Plan > Monday, March 1, 2021

Info. For Researchers v

How To Comply

Creating a Data Management Plan

Evaluating Repositories for Conformance

Managing Rights

Request An Embargo

Info. for USDOT Evaluators

Info. For Repositories

FAQs

Training Resources

DOT Public Access

The USDOT Public Access Plan is issued in OSTP Memorandum for the Heads of Executive Departments and Agencies, "Policy and Plan of Federally Funded Scientific Research". The plan requires that research projects with greater than \$100 million in yearly research funding provide public access to the results of federally funded research.

This plan establishes objectives to ensure that research and development (R&D) results from research in progress and technical reports such as the Transportation Research Board (TRB) research in progress and technical reports are made available on an incremental basis, DOT's extramural research program is to scale and institutionalize those in progress.

Overview of the Research

Submit Research Proposal	Perform Research
Obtain ORCID for each researcher	Follow data management practices in approved DMP

• <https://doi.org/10.21949>



U.S. DOT DMP Guidance

Bureau of Transportation Statistics

Ask-A-Librarian A-Z Index

Search

Topics and Geography

Statistical Products and Data

National Transportation Library

Newsroom

About BTS

Home / National Transportation Library (NTL) / Public Access

Public Access

Plan

Info. For Researchers

Info. for USDOT Evaluators

Info. For Repositories

FAQs

Training Resources

Creating Data Management Plans (DMPs)

Monday, March 1, 2021

Creating Data Management Plans (DMPs)

A data management plan (DMP) describes how researchers will handle digital data both during and after a research project. DMPs will also describe how the research proposal conforms to DOT policy on the dissemination and sharing of research results.

Your approach to data management planning may differ based on your relationship to the U.S. DOT. Therefore, the NTL has created DMP guidelines for intramural research activities (i.e., those led by federal government employees and funded directly as a part of the U.S. Department of Transportation's budget, including salaries, laboratories, technical research centers, and other resources) and for extramural data research activities (i.e., those undertaken as the result of an award of a grant, contract or cooperative agreement to an outside institution or individual).

Based on your relationship to U.S. DOT, follow the link below for DMP guidance.

DMP Guidance for Extramural Research Activities: [/ntl/public-access/creating-data-management-plans-extramural-research](#)

DMP Guidance for Intramural Research Activities: [/ntl/public-access/creating-data-management-plans-intramural-research](#)

Contact us if you have any questions or need assistance.



Intramural DMP Guidance

Home / National Transportation Library (NTL) / Public Access

Public Access

Plan



Info. For Researchers



Info. for USDOT Evaluators

Info. For Repositories

FAQs

Training Resources

Tags

- [Public Access](#)

Questions?

1200 New Jersey Ave SE
Washington, DC 20590
United States

Creating Data Management Plans for Intramural Research

Wednesday, June 12, 2019

Getting DMP Help at U.S. DOT

Data Management Plans (DMPs) for USDOT intramural research must address all five (5) areas below. If you need assistance creating DMPs for your research programs and projects, contact us at NTLDataCurator@dot.gov to set up an appointment.

Data Management Plans (DMPs) Content Overview

A data management plan (DMP) describes how researchers will handle digital data both during and after a research project. DMPs will describe how the research proposal conforms to DOT policy on the dissemination and sharing of research results. Each plan should include a 2-3 page narrative description covering:

- The final research data to be produced in the course of the project;
- The standards to be used for data and metadata format and content;
- Policies for access and sharing the final research data, including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, and other rights or requirements;
- Policies and provisions for re-use, re-distribution, and the production of derivatives; and
- Plans for archiving final research data and other research products, and for preservation of access to them.

DOT-funded research projects are expected to be conducted pursuant to the approved DMP. A DMP may evolve as the research project evolves and should be reviewed for possible revision whenever a data management procedure is changed.

Guidance on DMP Sections



US DOT Public Access Data Management Plans Collection

The screenshot shows the ROSAP (Repository of Open Science Access Portal) website interface. The header includes the United States Department of Transportation logo, the National Transportation Library name, and the Bureau of Transportation Statistics. A search bar is present with the text "Search ROSA P Collections" and a dropdown menu set to "US DOT Public". Below the header is a navigation bar with links: Home, Collections, Recent Additions, Public Access, Submit Content, Help, and About ROSA P. The main content area is titled "US DOT Public Access Data Management Plans" and includes a description of the collection. It also features a sidebar with filters for Resource Type (Data Management Plan, 36) and Keywords (Air quality management, Asset management, Barriers (Roads), Benefits, Big data). The main results area displays two items, each with a thumbnail, title, published date, abstract, and file type (PDF).

United States Department of Transportation National Transportation Library Bureau of Transportation Statistics

rosap Repository of Open Science Access Portal

Search ROSA P Collections US DOT Public Advanced Search

Home Collections Recent Additions Public Access Submit Content Help About ROSA P

ROSA P Home > Collections

US DOT Public Access Data Management Plans

This collection of data management plans (DMPs) includes plans written as a deliverable for U.S. DOT-funded scientific research, since January 1, 2016. This collection is mandated by the U.S. Department of Transportation "Plan to Increase Public Access to the Results of Federally-Funded Scientific Research." Users will be able to use these DMPs as examples for their own research DMP. Bookmark this collection: https://rosap.ntl.bts.gov/collection_pa_dmp

Export Citations

1 - 20 of 36 Results View: 20 Results Sort By: Published Date(Desc)

Resource Type
Data Management Plan 36

Keywords
Air quality management 1
Asset management 1
Barriers (Roads) 1
Benefits 1
Big data 1
More

Developing a New Barrier Condition Index (BCI) to Optimize Barrier Improvements in Wyoming: Data Management Plan

Published Date: 2021-04-28
Abstract: Traffic barriers are installed on roadsides and medians to shield motorists from hazardous o vehicles. Due to the important role played by traffic bar...
File Type: [PDF - 453.85 KB]

Investigating Potential Solutions to the Barrier Effect of Interstate 80 on Pronghorn Movements: Data Management Plan

Published Date: 2021-01-14
Abstract: Pronghorn rely on long-distance migrations to access seasonal resources and mitigate the consequences of severe winters and droughts. When barriers se...
File Type: [PDF - 466.00 KB]



LIVE DEMO



DMPTool

Build your Data Management Plan

<https://dmptool.org/>

What is the DMPTool?

The DMPTool is a free, open-source, online application that helps researchers create data management plans.

These plans, or DMPs, are now required by many funding agencies as part of the grant proposal submission process.

The DMPTool provides a click-through wizard for creating a DMP that complies with funder requirements. It also has direct links to funder websites, help text for answering questions, and resources for best practices surrounding data management.



Your Homework

- Write your Data Management Plan (DMP)
 - Word template,
 - Plain text template, or
 - DMPTool
- Submit to NTL by Monday, August 2, at 12:00 Noon (Eastern)
 - Email: public.access@dot.gov
 - DMPTool Review function

Conclusions

- Data Management begins at the program development stage
- Project Managers should be versed in the U.S. DOT Public Access Plan
- DOT-funded researchers must follow U.S. DOT Public Access Plan
- Data management protects the public investment in scientific research
- All other federal research funders are doing it
- NTL provides guidance and training on data management and DMPs
- Robust Data Management Plans Enable Strong Research Proposals

- **US DOT Public Access webpages**
- <https://doi.org/10.21949/1503647>



Questions?

public.access@dot.gov



DMP Writing Time



References

1. U.S. Department of Transportation. (2015-12-15). Plan to Increase Public Access to the Results of Federally-Funded Scientific Research. [policy statement]. *National Transportation Library*. Access 2021-07-23 from <https://rosap.ntl.bts.gov/view/dot/29637>
2. University Library, Texas A&M University. “Data Management Defined - Research Data Management - Guides at Texas A&M University.” Research Data Management. Accessed from 2013-10-01 from <http://guides.library.tamu.edu/DataManagement>
3. OPEN Government Data Act, S.2852, 114th Cong. (2016). <https://www.congress.gov/bill/114th-congress/senate-bill/2852/all-info>
4. OPEN Government Data Act, H. R. 5051, 114th Cong. (2016). <https://www.congress.gov/bill/114th-congress/house-bill/5051/related-bills>
5. Transportation Equity Act for the 21st Century, H. R. 2400, 105th Cong. (1998). <https://rosap.ntl.bts.gov/view/dot/13448>
6. Moving Ahead for Progress in the 21st Century Act (MAP-21): A Summary of Highway Provisions, P.L. 112-141 (2012). <https://rosap.ntl.bts.gov/view/dot/53705>
7. White House “Transparency and Open Government” memo, January 21, 2009, <https://obamawhitehouse.archives.gov/the-press-office/transparency-and-open-government>



DMP Slide Walkthrough

Zoe Mann

STIPDG Summer Intern

7/19/2021

Introduction

- This slide walkthrough should serve as a reference for future DMP creation.
- These slides walkthrough the process to creating a DMP for the Truck Inventory and Use Survey (TIUS) 1972 Dataset.
- You should be able to follow this walkthrough substituting the necessary information for your own DMP plan.
 - The Notes section of the PPT contains written instructions for each slide, please reference them as necessary.
- Not every DMP will need to have every prompt filled out, as you will see with the 1972 TIUIS Dataset. Use your best judgement for your own data.
- And remember, DMPs are living documents, so if you don't know the answer to a question right away, that's ok! You can go back and edit the document at any point.

Setting Up Your Account

- Go to <https://dmptool.org/>
- Sign into your account (instructions on next slides)

DMPTool Home Page

The screenshot shows the DMPTool Home Page in a web browser. The browser's address bar shows 'dmptool.org'. The page features the DMPTool logo with the tagline 'Build your Data Management Plan'. A large blue banner reads 'Welcome to the DMPTool' and 'Create data management plans that meet institutional and funder requirements.' A modal window titled 'Sign in options' is open, showing three options: 'Option 1: If your institution is affiliated with DMPTool.' with a 'Your institution' button (highlighted with a red box), 'Option 2: If your institution is not affiliated with DMPTool.' with an 'Email address' button, and 'Option 3: If not affiliated and you need an account.' with a 'Create an account' button. The 'Sign in' link in the top right is also highlighted with a red box. The bottom of the page has sections for 'DMPTool by the Numbers' and 'Top Templates', with the latter listing 'Digital Curation Centre' and 'Digital Curation Centre (português)'. The Windows taskbar at the bottom shows the time as 8:35 AM on 7/22/2021.

dmptool

dmptool.org

Learn **Sign in** Language

DMPTool
Build your Data Management Plan

Welcome to the DMPTool
Create data management plans that meet institutional and funder requirements.

Sign in options

Option 1: If your institution is affiliated with DMPTool.
Your institution

- or -

Option 2: If your institution is not affiliated with DMPTool.
Email address

- or -

Option 3: If not affiliated and you need an account.
Create an account

DMPTool by the Numbers

Top Templates

Digital Curation Centre
Digital Curation Centre (português)

https://dmptool.org/#

8:35 AM
7/22/2021

Institutional Choice Drop Down

The screenshot shows the DMPTool website interface. At the top, the browser address bar displays 'dmptool.org'. The website header includes the DMPTool logo and navigation links for 'Learn', 'Sign in', and 'Language'. A modal window is open in the center, titled 'Look up your institution here'. It features a text input field containing 'United States Department of Transportation (DOT)' and a 'Go' button. Below the input field, there are two links: 'Or see the full list of participating institutions' and 'Institution not in the list? Create an account with any email address'. The background of the website shows a blurred image of electronic equipment. At the bottom, there are sections for 'DMPTool by the Numbers' and 'Top Templates', along with a system tray showing the time as 8:43 AM on 7/22/2021 and a temperature of 69°F.

dmptool

dmptool.org

Learn Sign in Language

DMPTool
Build your Data Management Plan

Welcome to the DMPTool
Create data management plans that meet ins

Look up your institution here

United States Department of Transportation (DOT)

Go

Or see the full list of participating institutions
Institution not in the list? [Create an account with any email address](#)

Get started

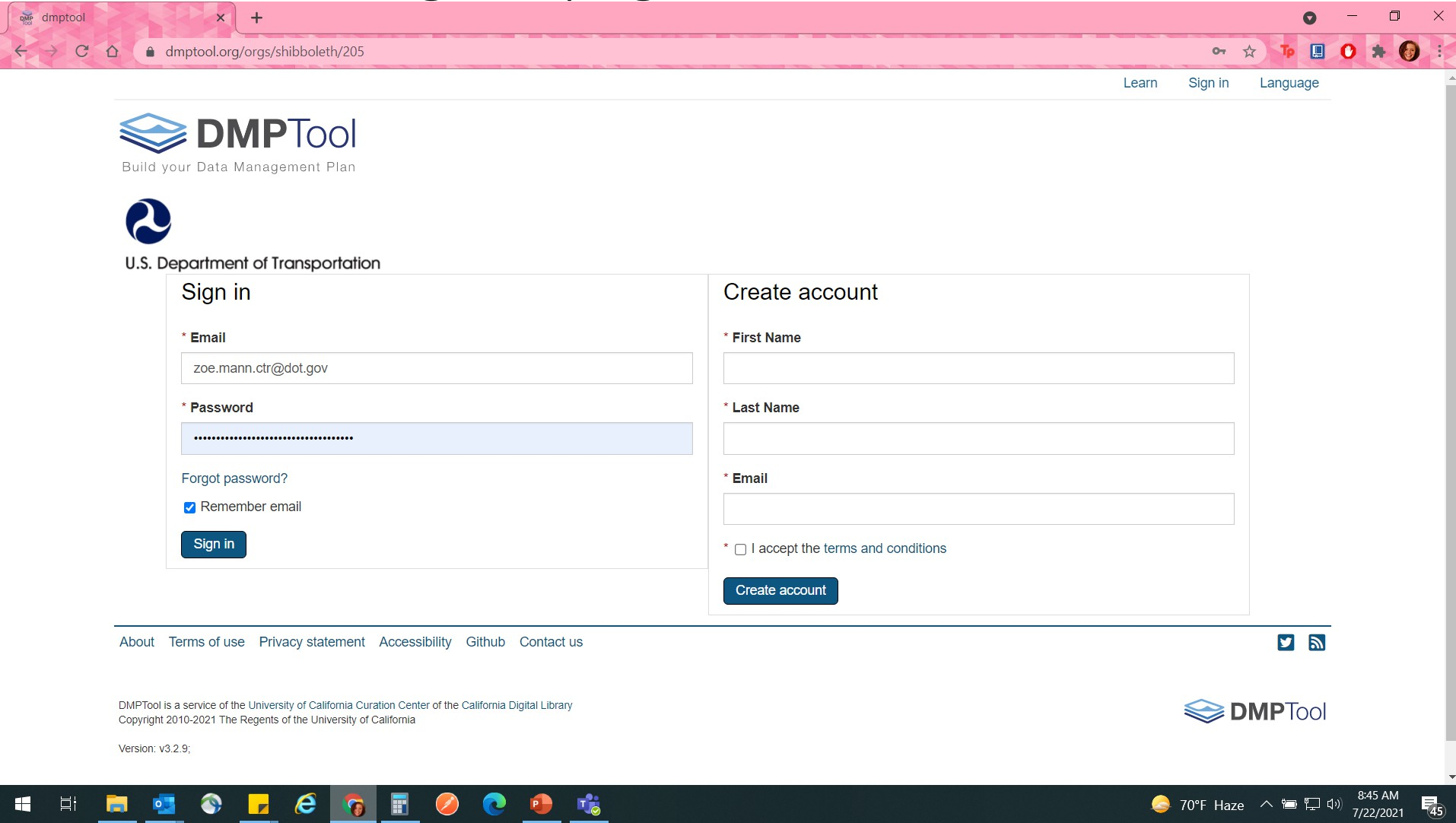
DMPTool by the Numbers

Top Templates

Digital Curation Centre
Digital Curation Centre (português)

69°F Haze 8:43 AM 7/22/2021

DMPTool Sign in page



The screenshot shows a web browser window with the URL `dmptool.org/orgs/shibboleth/205`. The page features the DMPTool logo and the text "Build your Data Management Plan". Below this, the U.S. Department of Transportation logo is displayed. The main content area is divided into two sections: "Sign in" and "Create account".

Sign in section:

- * Email:** A text input field containing `zoe.mann.ctr@dot.gov`.
- * Password:** A password input field with masked characters (dots).
- Forgot password?** A link to the password recovery page.
- ☒ **Remember email**
- Sign in** button

Create account section:

- * First Name:** A text input field.
- * Last Name:** A text input field.
- * Email:** A text input field.
- ☐ **I accept the terms and conditions**
- Create account** button

Footer:

- Links: [About](#), [Terms of use](#), [Privacy statement](#), [Accessibility](#), [Github](#), [Contact us](#)
- Social media icons: Twitter, RSS
- Text: DMPTool is a service of the University of California Curation Center of the California Digital Library. Copyright 2010-2021 The Regents of the University of California.
- Version: v3.2.9;
- DMPTool logo

The Windows taskbar at the bottom shows the time as 8:45 AM on 7/22/2021, with a temperature of 70°F and a "Haze" weather condition.


My Dashboard

My Dashboard

dmptool.org/plans

Learn Zoe Mann Language

United States Department of Transportation


U.S. Department of Transportation

[US Department of Transportation Home](#)
[US DOT Public Access Policy & Guidance](#)
[NTL Repository and Open Science Acces...](#)
[NTL Library Home](#)
✉ [US DOT Public Access staff](#)

[My Dashboard](#) [Create plan](#) [Admin Features](#)

✓ Notice: Signed in successfully.



My Dashboard

The table below lists the plans that you have created, and that have been shared with you by others. You can edit, share, download, make a copy, or remove these plans at any time.


Project Title	Template	Edited	Role	Test	Visibility	Shared	
Data Management Plan (DMP) for Truck Inventory and Use Surve ...	U.S. Department of Transportation: Data Management Plan (DMP)	07-19-2021	Owner	✓	N/A	No	Actions▼
POP Institute: Collection & Analysis of Longitudinal Public ...	Digital Curation Centre	06-11-2021	Owner	✓	N/A	No	Actions▼


Create plan

[About](#) [Terms of use](#) [Privacy statement](#) [Accessibility](#) [Github](#) [Contact us](#)

DMPTool is a service of the University of California Curation Center of the California Digital Library
Copyright 2010-2021 The Regents of the University of California
Version: v3.2.9;





70°F Haze 8:48 AM 7/22/2021 45

Create a new plan

Create a new plan

dmptool.org/plans/new

LearnZoe MannLanguage

My DashboardCreate planAdmin Features

Create a new plan

Before you get started, we need some information about your research project to set you up with the best DMP template for your needs.

* What research project are you planning?

Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972 Dataset

* Select the primary research organization

Organization

United States Department of Transportation (DOT)

* Select the primary funding organization

Funder

Begin typing to see a list of suggestions.

Which DMP template would you like to use?

U.S. Department of Transportation: Data Management Plan (DMP)

Create planCancel

☐ mock project for testing, practice, or educational purposes

- or -

☐ No research organization associated with this plan or my research organization is not listed

- or -

☒ No funder associated with this plan or my funder is not listed

We found multiple DMP templates corresponding to your funder.

AboutTerms of usePrivacy statementAccessibilityGithubContact us

DMPTool is a service of the University of California Curation Center of the California Digital Library
Copyright 2010-2021 The Regents of the University of California

DMPTool

76°F Cloudy

9:27 AM
7/19/2021


Project Details

The screenshot shows a web browser window with the URL dmptool.org/plans/67579. The page title is "Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972 Dataset". The page has a navigation bar with tabs: "Project Details", "Collaborators", "Write Plan", "Research Outputs", "Request feedback", "Download", and "Finalize / Publish". A green notification bar at the top says "Notice: Successfully saved the plan." The "Project Details" tab is active, and the form contains the following fields:

- * Project title**: Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972
- ☒ mock project for testing, practice, or educational purposes
- Project abstract**: The census of transportation, together with the censuses of retail and wholesale trade, selected service industries, manufactures, mineral industries, and construction industries comprise the economic census program of the Bureau of the Census. This program is required by law under Title 13 of the United States Code, sections 131 and 224. The present economic census collects statistics for the year 1972. Future censuses are scheduled by law for 5-year intervals. A large segment of
- Research domain**: Other engineering and technologies
- Project Start**: 07/19/2021
- Project End**: 07/19/2022
- ☐ Research outputs may have ethical concerns

On the right side of the form, there is a section titled "Select Guidance" with the text "To help you write your plan, dmptool can show you guidance from a variety of organizations. Select up to 6 organizations to see their guidance." Below this, there are two checkboxes: "DMPTool" and "Loyola Marymount University (LMU)". A link "See the full list" and a "Save" button are also present.

Project Details

Data Management Plan (DMP) for  +

dmptool.org/plans/67579


Learn Zoe Mann Language


program of the Bureau of the Census. This program is required by law under Title 13 of the United States Code, sections 131 and 224. The present economic census collects statistics for the year 1972. Future censuses are scheduled by law for 5-year intervals. A large segment of

Save

Research domain

Other engineering and technologies

Project Start 07/19/2021 

Project End 07/19/2022 

☐ Research outputs may have ethical concerns

Funder

United States Department of Transportation (DOT)

Funding Status

Funded

Funding Opportunity Number

Grant number/url

Save

Collaborators

Data Management Plan (DMP) f... x

dmptool.org/plans/67579/contributors

Learn Zoe Mann Language

Project Contributors

Please list the project's Principal Investigator(s) and those responsible for data management.

Name	ORCID	Email	Affiliation	Roles	
Zoe Mann	0000-0002-0198-0915	zoe.mann.ctr@dot.gov	United States Department of Transportation (DOT)	Data Manager	Actions

Add a contributor

DMP Collaborators

Invite specific people to read, edit, or administer your plan. Invitees will receive an email notification that they have access to this plan.

Email address	Permissions	
zoe.mann.ctr@dot.gov	Owner	

Invite collaborators

* Email

* Permissions

☐ Co-owner

☐ Editor

☐ Read only

Submit

Collaborators

Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972 Dataset

Project Details Collaborators Write Plan Research Outputs Request feedback Download Finalize / Publish

New contributor [View all contributors](#)

*** Name**
Zoe Mann

*** Email**
zoe.mann.ctr@dot.gov

ORCID
https://orcid.org/0000-0002-0198-0915

Affiliation
United States Department of Transportation (DOT)

*** Roles**
Select each role that applies to the contributor.

☒ Data Manager ☐ Principal Investigator ☐ Project Administrator ☐ Other

[Save](#) [Cancel](#)

[About](#) [Terms of use](#) [Privacy statement](#) [Accessibility](#) [Github](#) [Contact us](#)

74°F Cloudy 9:11 AM 7/19/2021

Write Plan

Data Management Plan (DMP) f... x

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

Project Details Collaborators **Write Plan** Research Outputs Request feedback Download Finalize / Publish

This plan is based on the "U.S. Department of Transportation: Data Management Plan (DMP)" template provided by United States Department of Transportation (DOT) - (ver: 0, pub: 2020-03-19).
expand all | collapse all 0/44

- + Persistent Link (0 / 1) +
- + Recommended Citation (0 / 1) +
- + Change Log (0 / 1) +
- + CONTENTS (0 / 1) +
- + 0. Dataset and Contact Information (0 / 1) +
- + 1. Data Description (0 / 11) +
- + 2. Standards Employed (0 / 9) +
- + 3. Access Policies (0 / 4) +
- + 4. Re-Use, Redistribution, and Derivative Products Policies (0 / 5) +
- + 5. Archiving and Preservation Plans (0 / 9) +
- + 6. Policies Affecting this Data Management Plan (0 / 1) +

Windows taskbar: 76°F Cloudy 9:15 AM 7/19/2021

Persistent Link

Data Management Plan (DMP) f... x

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

Project Details Collaborators Write Plan Research Outputs Request feedback Download Finalize / Publish

This plan is based on the "U.S. Department of Transportation: Data Management Plan (DMP)" template provided by United States Department of Transportation (DOT) - (ver: 0, pub: 2020-03-19).
expand all | collapse all 1/44

+ Persistent Link (1 / 1)

The persistent identifier (PID) for the dataset.

Include the persistent identifier (PID) that is associated with the dataset.

B I [List Icon] [Link Icon] [Table Icon]

Persistent Link: <https://doi.org/10.21949/1504583>

Save

DOT example answer

Persistent Link: <https://doi.org/10.21949/1504583>

Answered just now by zoe.mann.ctr@dot.gov

+ Recommended Citation (0 / 1)

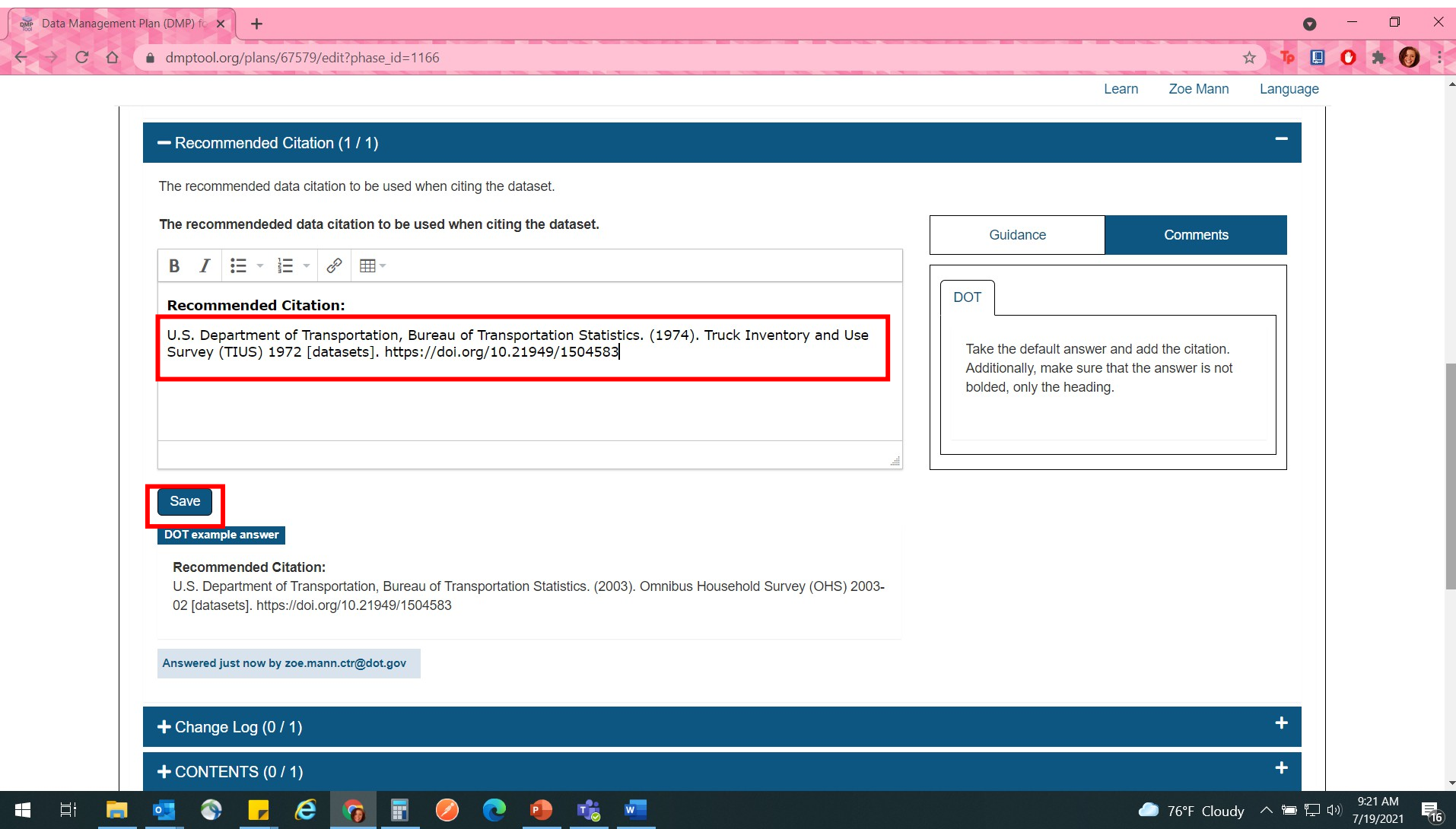
Guidance **Comments**

DOT

Take the default answer and then provide the link. Additionally, make sure that the answer is not bolded, only the heading.

76°F Cloudy 9:17 AM 7/19/2021

Recommended Citation



Data Management Plan (DMP) | dmptool.org/plans/67579/edit?phase_id=1166

Learn | Zoe Mann | Language

Recommended Citation (1 / 1)

The recommended data citation to be used when citing the dataset.

The recommended data citation to be used when citing the dataset.

Recommended Citation:

U.S. Department of Transportation, Bureau of Transportation Statistics. (1974). Truck Inventory and Use Survey (TIUS) 1972 [datasets]. <https://doi.org/10.21949/1504583>

Save

DOT example answer

Recommended Citation:

U.S. Department of Transportation, Bureau of Transportation Statistics. (2003). Omnibus Household Survey (OHS) 2003-02 [datasets]. <https://doi.org/10.21949/1504583>

Answered just now by zoe.mann.ctr@dot.gov

Guidance | **Comments**

DOT

Take the default answer and add the citation. Additionally, make sure that the answer is not bolded, only the heading.

+ Change Log (0 / 1)

+ CONTENTS (0 / 1)

Change Log

The screenshot shows a web browser window with the URL `dmptool.org/plans/67579/edit?phase_id=1166`. The page title is "Data Management Plan (DMP)". The main content area is titled "+ Change Log (0 / 1)". Below the title, there is a text area for documenting changes. The text area contains the following text:

Document the changes that are made to the DMP.

Document the changes that are made to the DMP, any and all changes should be noted to ensure a more complete documentation.

Change Log:

- 2021-07-08: Initial DMP written
- 2021-07-19: DMP reviewed for slide capture

A red box highlights the "Save" button below the text area. Below the "Save" button, there is a section titled "DOT example answer" which contains the following text:

Change Log:

- 2019-10-17: Initial DMP written
- 2019-10-22: Added an additional policy to section six "Policies Affecting this Data Management Plan"

On the right side of the page, there is a "Comments" section with a "DOT" tab. The "DOT" tab contains the following text:

Take the default answer and add changes as needed. Additionally, make sure that the answer is not bolded, only the heading.

At the bottom of the page, there are two more sections: "+ CONTENTS (0 / 1)" and "+ 0. Dataset and Contact Information (0 / 1)".

CONTENTS

Data Management Plan (DMP) f... x

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

— CONTENTS (0 / 1)

Simple add the list of sections provides to serve as a table of contents for the different parts that will be addressed in the DMP.

Include a table of contents, in order to better organize the DMP.

B *I*

CONTENTS:

- 0. Dataset and Contact Information
- 1. Data Description
- 2. Standards Employed
- 3. Access Policies
- 4. Re-Use, Redistribution, and Derivative Products Policies
- 5. Archiving and Preservation Plans
- 6. Policies Affecting this Data Management Plan

Save

+ 0. Dataset and Contact Information (0 / 1)

+ 1. Data Description (0 / 11)

+ 2. Standards Employed (0 / 9)

+ 3. Access Policies (0 / 4)

Guidance

Comments

DOT

Use the default answer for your plan.

Windows taskbar with icons for File Explorer, Edge, and other applications.

System tray showing 76°F Cloudy, 9:25 AM 7/19/2021, and a notification icon.

Dataset and Contact Information

Data Management Plan (DMP) (r) x +

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

+ 0. Dataset and Contact Information (1 / 1)

Please provide the following information:

- Name of the dataset or project for which data is being collected
- Project number, contract number, or other number used to link this DMP
- Name of the person submitting this DMP -ORCID of the person submitting this DMP
- Email and phone number of the person submitting this DMP
- Name of the organization for which the person submitting this DMP is working for
- Email and phone number for the organization
- Link to organization or project website
- Date the DMP was written

B *I* [List Icons] [Link Icon] [Table Icon]

0. Dataset and Contact Information:

Staff lead: Jesse A. Long

Staff lead ORCID: <https://orcid.org/0000-0002-4962-1380>

Contact information: 1200 New Jersey Avenue, SE Washington, DC 20590, E34-471, jesse.long.ctr@dot.gov or ntldatacurator@dot.gov, 202-366-8951

U.S. Department of Transportation, Bureau of Transportation Statistics, National Transportation Library

Title of Dataset: Truck Inventory and Use Survey (TIUS) 1972 Dataset

URL: <https://doi.org/10.21949/1504583>

This is an ☒ initial DMP or a ☐ revised DMP.

Save

Guidance

Comments

DOT

Take the default answer and add the required information below. Additionally, make sure that the answer is not bolded, only the heading.

Data Description

Data Management Plan (DMP) f... x +

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

1. Data Description (1 / 11)

Name the data, data collection project, or data producing program.

B *I* [List Icons] [Link Icon] [Table Icon]

1. Data Description:

The census of transportation, together with the censuses of retail and wholesale trade, selected service industries, manufactures, mineral industries, and construction industries comprise the economic census program of the Bureau of the Census. This program is required by law under Title 13 of the United States Code, sections 131 and 224. The present economic census collects statistics for the year 1972. Future censuses are scheduled by law for 5-year intervals. A large segment of transportation data is available from regulatory and other government agencies, and private organizations. For that reason, the statutory provisions concerning the census of transportation directed the Bureau to collect the kinds of data that were not publicly available from other sources. The objective was to avoid duplication and fill important gaps in transportation information. The census of transportation was undertaken for the first time on a national basis in 1963 and again in 1967. The 1972 census was taken under three separate surveys- National Travel, Truck Inventory and Use, and Commodity Transportation, each on a sample basis. The surveys are independent of each other and the results are published in three distinct series of reports.

Save

Answered just now by zoe.mann.ctr@dot.gov

Describe the purpose of your research.

B *I* [List Icons] [Link Icon] [Table Icon]

Guidance

Comments

DOT

Take the default answer and add the required information below. Additionally, make sure that the answer is not bolded, only the heading.

When constructing your answer please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

Guidance

Comments

72

Data Description

The screenshot displays the 'Data Management Plan (DMP)' tool interface. The browser address bar shows the URL 'dmptool.org/plans/67579/edit?phase_id=1166'. The page has a top navigation bar with 'Learn', 'Zoe Mann', and 'Language' links. The main content area is divided into two sections, each with a heading, a text editor, and a 'Save' button.

Section 1: Describe the purpose of your research.

The text editor for this section has a red border. Below it is a 'Save' button.

Section 2: Describe the data that will be generated in terms of nature and scale (e.g., numerical data, image data, text sequences, video, audio, database, modeling data, source code, etc.).

The text editor for this section also has a red border. Below it is a 'Save' button.

Right Panel: Guidance and Comments

The right panel has two tabs: 'Guidance' and 'Comments'. The 'Comments' tab is active, showing a 'DOT' section with the following text:

When constructing your answer please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

Data Description

Data Management Plan (DMP) f... x

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

Describe methods for creating the data (e.g., simulated; observed; experimental; software; physical collections; sensors; satellite; enforcement activities; researcher-generated databases, tables, and/or spreadsheets; instrument generated digital data output such as images and video; etc).

B I [list] [ul] [link] [table]

Save

Discuss the period of time data will be collected and frequency of update.

B I [list] [ul] [link] [table]

Save

Guidance

Comments

DOT

When constructing your answer please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

Guidance

Comments

DOT

When constructing your answer please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

77°F Cloudy 9:41 AM 7/19/2021

74

Data Description

Data Management Plan (DMP) (r) x +

dmpptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

If using existing data, describe the relationship between the data you are collecting and existing data.

B *I* [List Bulleted] [List Numbered] [Link] [Table]

Save

Guidance

Comments

DOT

If you are not using any existing data for this research project you do not have to answer this question. If you are then write your response and ensure it is done in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

List potential users of the data.

B *I* [List Bulleted] [List Numbered] [Link] [Table]

Save

Guidance

Comments

DOT

Please list all the potential users that you see for the data you are collecting and record your answer in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

77°F Cloudy 9:42 AM 7/19/2021 16

Data Description

The screenshot shows the 'Data Management Plan (DMP)' tool interface. The browser address bar displays 'dmptool.org/plans/67579/edit?phase_id=1166'. The page has a top navigation bar with 'Learn', 'Zoe Mann', and 'Language' links. The main content area is divided into two sections, each with a 'Guidance' and 'Comments' tab.

Section 1: Discuss the potential value of the data have over the long-term for not only your institution, but also for the public.

The input area for this section is highlighted with a red box. Below the input area is a 'Save' button.

Section 2: If you request permission not to make data publicly accessible, explain rationale for lack of public access.

The input area for this section is also highlighted with a red box. Below the input area is a 'Save' button.

Guidance and Comments:

Guidance:

- DOT:** When constructing your answer please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.
- DOT:** If your data will be made publicly available then you don't need to answer this question. However, if you will restrict access please write your answer in complete sentences.

Comments:

The 'Comments' tab is active in both sections, but no comments are visible.

Data Description

Data Management Plan (DMP) for [redacted]

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

Indicate the party responsible for managing the data.

B *I* [List] [List] [Link] [Table]

[Redacted text area]

Save

Guidance

Comments

DOT

When constructing your answer please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

Describe how you will check for adherence to this data management plan.

B *I* [List] [List] [Link] [Table]

[Redacted text area]

Save

Guidance

Comments

DOT

When constructing your answer please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

77

Standards Employed

The screenshot displays the 'Data Management Plan (DMP)' tool interface. The browser address bar shows the URL `dmptool.org/plans/67579/edit?phase_id=1166`. The page has a pink header with navigation links: 'Learn', 'Zoe Mann', and 'Language'. The main content area is divided into two sections, each with a 'Guidance' and 'Comments' tab.

Section 1: List in what format(s) the data will be collected. Indicate if they are open or proprietary.

2. Standards Employed:

The data files collected here are saved in the ubiquitous and common .csv file format.

These files were created by extracting data tables from the original PDFs using ABBYY FineReader.

Section 2: If you are using proprietary data formats, discuss your rationale for using those standards and formats.

The interface includes a rich text editor with buttons for bold (B), italic (I), bulleted list, numbered list, link, and table. Each section has a 'Save' button and a timestamp indicating when the answer was last updated.

Guidance:

Comments:

DOT

Take the default answer and add the required information below. Additionally, make sure that the answer is not bolded, only the heading.

When completing this question please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

If your formats are open and not proprietary you don't need to answer this question. However, if you do choose to store any files in proprietary formats please write your answer in complete sentences.

Standards Employed

Data Management Plan (DMP) for [redacted] X

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

Describe how versions of data be signified and/or controlled.

B *I* [List] [List] [Link] [Table]

[Redacted text area]

Save

Guidance **Comments**

DOT

When completing this question please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

If the file format(s) you are using is(are) not standard to your field, describe how you will document the alternative you are using.

B *I* [List] [List] [Link] [Table]

[Redacted text area]

Save

Guidance **Comments**

DOT

If your file formats are standards within your field you are not required to answer this question. If they are not standard please include a thorough explanation on why they are being used and write in complete sentences.

Windows Taskbar: File Explorer, Edge, Chrome, Word, PowerPoint, Teams, Outlook, OneDrive, 78°F Cloudy, 10:12 AM 7/19/2021

Standards Employed

Data Management Plan (DMP) | dmp-tool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

List what documentation you will be creating in order to make the data understandable by other researchers.

B *I* [List Bulleted] [List Numbered] [Link] [Table]

Documentation will include this data management plan, and the metadata and readme files created in 2021. Documentation will also include the variable definitions, tables, data dictionary, and relevant supporting files created alongside the data from 1972.

Save

Answered less than a minute ago by zoe.mann.ctr@dot.gov

Indicate what metadata schema you are using to describe the data. If the metadata schema is not one standard for your field, discuss your rationale for using that scheme.

B *I* [List Bulleted] [List Numbered] [Link] [Table]

A Project Open Data Version 1.1 .json metadata file will be created to describe the archival location of this data, and that .json file will be uploaded to data.gov and transportation.data.gov

Save

Guidance Comments

DOT

When completing this question please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

Guidance Comments

DOT

When completing this question please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

Windows Taskbar: 80°F Cloudy, 10:13 AM 7/19/2021

Standards Employed

The screenshot displays the Data Management Plan (DMP) tool interface. The browser address bar shows the URL `dmptool.org/plans/67579/edit?phase_id=1166`. The page has a pink header with navigation links: [Learn](#), [Zoe Mann](#), and [Language](#).

Section 1: Describe how will the metadata be managed and stored.

This section features a rich text editor with a red box highlighting the input area. Below the editor is a **Save** button. To the right, the **Comments** tab is active, displaying a DOT (Data Object Type) comment: "When completing this question please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end."

Section 2: Indicate what tools or software is required to read or view the data.

This section also features a rich text editor with a red box highlighting the input area. Below the editor is a **Save** button. To the right, the **Comments** tab is active, displaying a DOT comment: "When completing this question please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end."

At the bottom of the page, a status bar indicates: "Answered just now by zoe.mann.ctr@dot.gov".

Standards Employed

The screenshot displays the 'Data Management Plan (DMP)' tool interface. The browser address bar shows the URL `dmptool.org/plans/67579/edit?phase_id=1166`. The page title is 'Data Management Plan (DMP)'. The user is logged in as 'Zoe Mann'.

The main content area is titled 'Describe your quality control measures.' and contains a rich text editor with a red border. Below the editor is a 'Save' button.

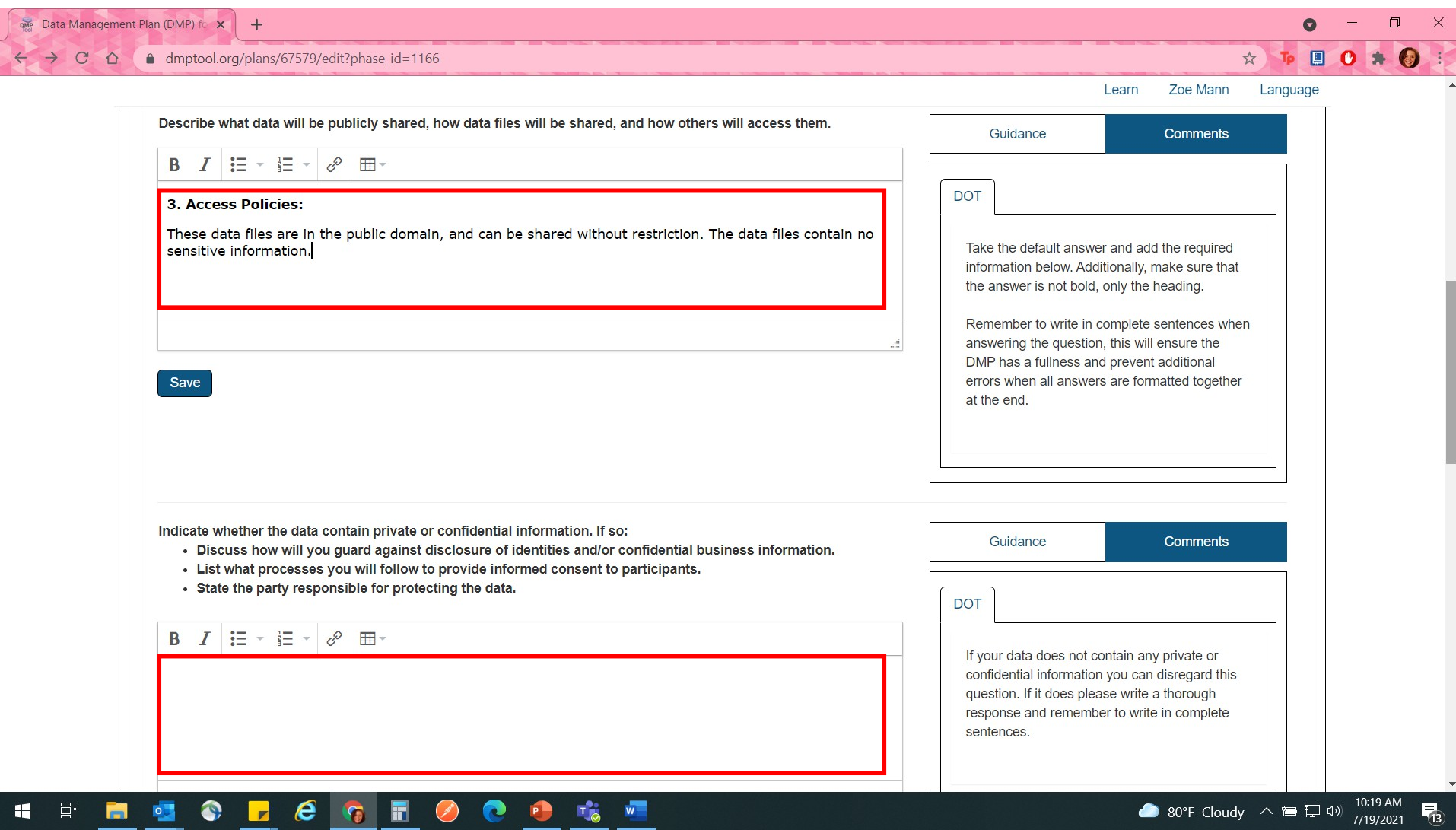
On the right side, there is a 'Guidance' tab and a 'Comments' tab. The 'Comments' tab is active, showing a 'DOT' comment box with the text: 'When completing this question please write in complete sentences, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.'

Below the main form, there is a list of policy sections, each with a plus icon and a count in parentheses:

- + 3. Access Policies (0 / 4)
- + 4. Re-Use, Redistribution, and Derivative Products Policies (0 / 5)
- + 5. Archiving and Preservation Plans (0 / 9)
- + 6. Policies Affecting this Data Management Plan (0 / 1)

The footer contains links for 'About', 'Terms of use', 'Privacy statement', 'Accessibility', 'Github', and 'Contact us'. The system tray at the bottom shows the date and time as '10:16 AM 7/19/2021' and the weather as '80°F Cloudy'.

Access Policies



Data Management Plan (DMP) f... x +

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

Describe what data will be publicly shared, how data files will be shared, and how others will access them.

B *I* [List Icons] [Link Icon] [Table Icon]

3. Access Policies:

These data files are in the public domain, and can be shared without restriction. The data files contain no sensitive information.

Save

Guidance Comments

DOT

Take the default answer and add the required information below. Additionally, make sure that the answer is not bold, only the heading.

Remember to write in complete sentences when answering the question, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

Indicate whether the data contain private or confidential information. If so:

- Discuss how will you guard against disclosure of identities and/or confidential business information.
- List what processes you will follow to provide informed consent to participants.
- State the party responsible for protecting the data.

B *I* [List Icons] [Link Icon] [Table Icon]

Guidance Comments

DOT

If your data does not contain any private or confidential information you can disregard this question. If it does please write a thorough response and remember to write in complete sentences.

80°F Cloudy 10:19 AM 7/19/2021

Access Policies

Data Management Plan (DMP) f... x +

dmptool.org/plans/67579/edit?phase_id=1166

Learn Zoe Mann Language

Describe what, if any, privacy, ethical, or confidentiality concerns are raised due to data sharing.

B I [List Icons]

Save

Guidance

Comments

DOT

Remember to write in complete sentences when answering the question, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

If applicable, describe how you will deidentify your data before sharing. If not:

- Identify what restrictions on access and use you will place on the data.
- Discuss additional steps, if any you will use to protect privacy and confidentiality.

B I [List Icons]

Save

Guidance

Comments

DOT

If your data does contain privacy and confidential information this question serves to address how you will make it accessible for sharing. Remember to write in complete sentences when answering the question, this will ensure the DMP has a fullness and prevent additional errors when all answers are formatted together at the end.

Re-Use, Redistribution, and Derivative

The screenshot shows a web browser window with the URL `dmptool.org/plans/67579/edit?phase_id=1166`. The page is titled "Data Management Plan (DMP)" and has a navigation bar with "Learn", "Zoe Mann", and "Language" links. The main content area is divided into two sections: "3. Access Policies (1 / 4)" and "4. Re-Use, Redistribution, and Derivative Products Policies (1 / 5)". The "4. Re-Use, Redistribution, and Derivative Products Policies" section is highlighted with a red box. It contains the following text:

4. Re-Use, Redistribution, and Derivative Products Policies:

These data are managed by the Bureau of Transportation Statistics. The data are in the public domain, and may be re-use without restriction.

Citation of the data is appreciated. Please use the following recommended citation:

U.S. Department of Transportation, Bureau of Transportation Statistics. (1974). Truck Inventory and Use Survey (TIUS) 1972 [datasets]. <https://doi.org/10.21949/1504583>

Below the text is a "Save" button and a "DOT example answer" button. The "DOT example answer" button is highlighted with a blue box. It contains the following text:

4. Re-Use, Redistribution, and Derivative Products Policies:

These data are managed by the Bureau of Transportation Statistics. The data are in the public domain, and may be re-use without restriction. Citation of the data is appreciated. Please use the following recommended citation:

U.S. Department of Transportation, Bureau of Transportation Statistics. (2003). Omnibus Household Survey (OHS) 2003-02 [datasets]. <https://doi.org/10.21949/1504583>

At the bottom of the example answer is a status bar that says "Answered less than a minute ago by zoe.mann.ctr@dot.gov".

On the right side of the page, there is a "Guidance" and "Comments" tab. The "Comments" tab is selected, showing a "DOT" comment box with the following text:

Take the default answer and add the required information below. Additionally, make sure that the answer is not bolded, only the heading.

Write your response in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are compiled together at the end.

Re-Use, Redistribution, and Derivative

Data Management Plan (DMP) [dmptool.org/plans/67579/edit?phase_id=1166](#)

Learn Zoe Mann Language

Indicate who holds the intellectual property rights to the data.

B *I*    





Guidance

Comments

DOT

Write your response in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are compiled together at the end.

List any copyrights to the data. If so, indicate who owns them.

B *I*    





Guidance

Comments

DOT

If there are no copyrights on your data you can move on to the next question. If so, please write your response in complete sentences.

Re-Use, Redistribution, and Derivative

The screenshot displays the 'Data Management Plan (DMP)' tool interface. The browser address bar shows the URL dmptool.org/plans/67579/edit?phase_id=1166. The page has a top navigation bar with 'Learn', 'Zoe Mann', and 'Language' links. The main content area is divided into two sections, each with a 'Save' button and a 'Comments' sidebar.

Section 1: Discuss any rights be transferred to a data archive.

This section features a text editor with a red rectangular box for input. The editor includes a toolbar with icons for bold (B), italic (I), bulleted list, numbered list, link, and table. Below the text box is a 'Save' button. To the right, the 'Comments' sidebar is active, showing a 'DOT' comment that reads: 'This questions address what rights, if any, the archive or repository has that is storing your data. Write your response in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are complied together at the end.'

Section 2: Describe how your data will be licensed for reuse, redistribution, and derivative products.

This section also features a text editor with a red rectangular box for input, identical in format to the first section. It includes a 'Save' button and a 'Comments' sidebar. The 'Comments' sidebar shows a 'DOT' comment that reads: 'Write your response in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are complied together at the end.'

The Windows taskbar at the bottom shows the system clock as 10:25 AM on 7/19/2021, with a weather forecast of 80°F Cloudy.

Archiving and Preservation Plans

Data Management Plan (DMP) | dmptool.org/plans/67579/edit?phase_id=1166

Learn | Zoe Mann | Language

Discuss how you intend to archive your data and where (include URL).

5. Archiving and Preservation Plans:

The dataset will be archived in the National Transportation Library Repository and Open Science Access Portal (ROSA P). Prior to archiving, the data are stored on the secured BTS networks and drives, which are backed up nightly. The US DOT systems are secured from outside users and backed up daily.

Save

Answered 2 minutes ago by zoe.mann.ctr@dot.gov

Indicate the approximate time period between data collection and submission to the archive.

Save

Guidance | Comments

DOT

Take the default answer and add the required information below. Additionally, make sure that the answer is not bolded, only the heading.

When answering the question please write in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are compiled together at the end.

Guidance | Comments

DOT

When answering the question please write in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are compiled together at the end.

81°F Cloudy | 10:40 AM 7/19/2021

Archiving and Preservation Plans

The screenshot displays the 'Data Management Plan (DMP)' tool interface. The browser address bar shows the URL 'dmptool.org/plans/67579/edit?phase_id=1166'. The page has a top navigation bar with 'Learn', 'Zoe Mann', and 'Language' links. The main content area is divided into two sections, each with a 'Guidance' and 'Comments' tab.

Section 1: Identify where data will be stored prior to being sent to an archive.

The text area for this section contains the following text, which is highlighted with a red border:

The assigned DOI resolves to the repository landing page for the "Truck Inventory and Use Survey (TIUS) 1972" dataset, so that users may locate associated metadata and supporting files.

Below the text area is a 'Save' button and a status message: 'Answered just now by zoe.mann.ctr@dot.gov'.

Section 2: Describe how back-up, disaster recovery, off-site data storage, and other redundant storage strategies will be used to ensure the data's security and integrity.

The text area for this section is currently empty and highlighted with a red border. Below it is a 'Save' button.

Comments Section:

On the right side of each section is a 'Comments' tab. The first comment, labeled 'DOT', contains the following text:

When answering the question please write in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are compiled together at the end.

Archiving and Preservation Plans

The screenshot displays the 'Data Management Plan (DMP)' tool interface. The browser address bar shows the URL `dmptool.org/plans/67579/edit?phase_id=1166`. The page has a pink header with navigation links: 'Learn', 'Zoe Mann', and 'Language'. The main content area is divided into two sections, each with a 'Guidance' and 'Comments' tab.

Section 1: Describe how data will be protected from accidental or malicious modification or deletion prior to receipt by the archive.

The text input area for this section is empty and highlighted with a red border. Below it is a 'Save' button.

Section 2: Discuss your chosen data archive's policies and practices for back-up, disaster recovery, off-site data storage, and other redundant storage strategies to ensure the data's security and integrity for the long-term.

The text input area for this section contains the following text, highlighted with a red border:

Files in ROSA P are backed up in NTL drives at US DOT, daily; at the Centers for Disease Control, the repository managing facility, daily; and in Amazon Web Service Cloud servers in Virginia and Oregon daily.

Below the text input area is a 'Save' button.

Guidance and Comments:

Both the 'Guidance' and 'Comments' tabs are active. The 'Comments' tab shows a 'DOT' comment:

When answering the question please write in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are compiled together at the end.

Archiving and Preservation Plans

The screenshot displays the 'Data Management Plan (DMP)' tool interface. The browser address bar shows the URL `dmptool.org/plans/67579/edit?phase_id=1166`. The page has a pink header with navigation links: 'Learn', 'Zoe Mann', and 'Language'. The main content area contains two questions, each with a text editor and a 'Save' button.

Question 1: Indicate how long the chosen archive will retain the data.

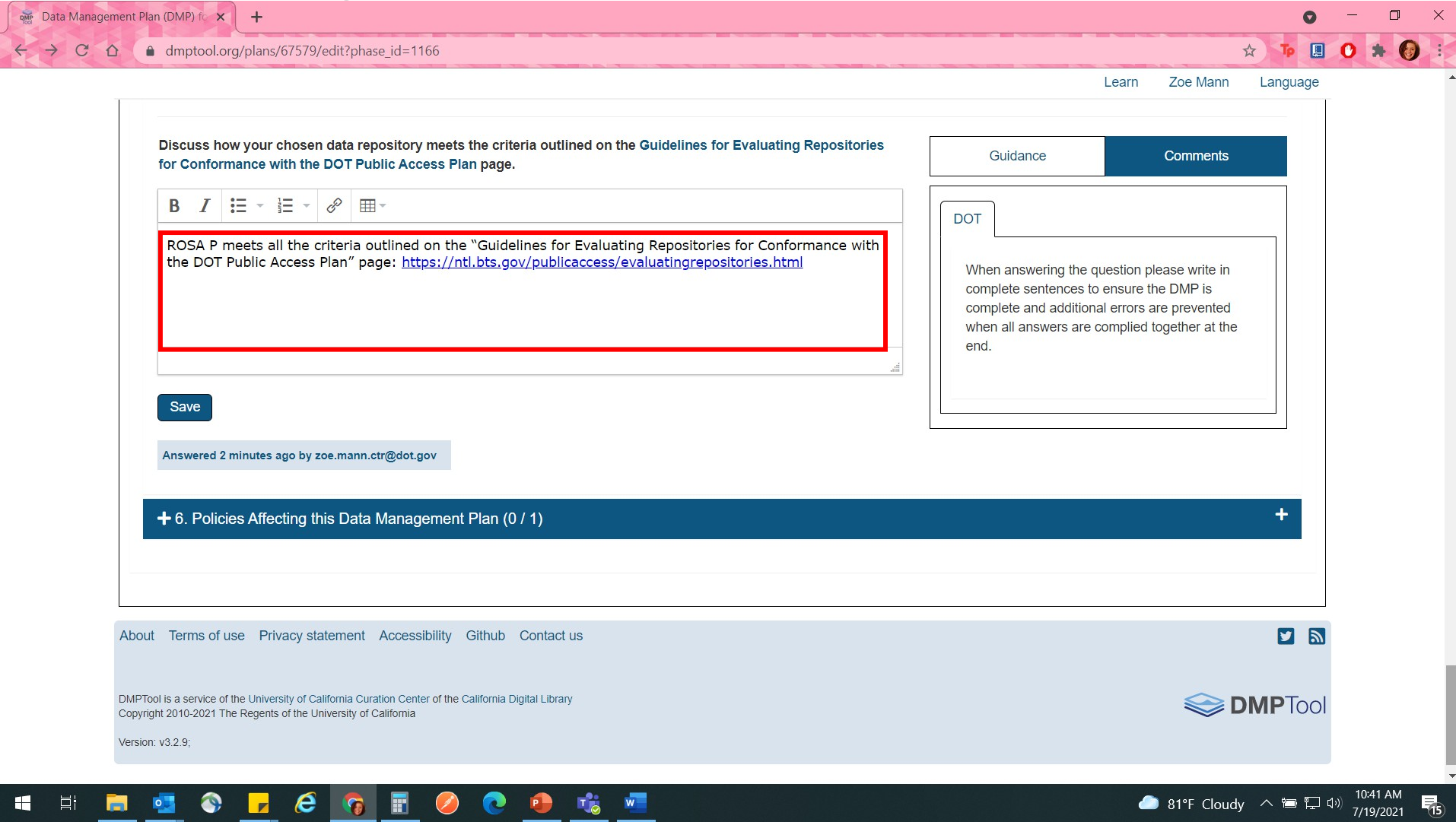
The text editor for this question contains the text: "The dataset will be retained in perpetuity." This text is highlighted with a red rectangular border. Below the text editor is a 'Save' button and a status message: "Answered 2 minutes ago by zoe.mann.ctr@dot.gov".

Question 2: Indicate if the chosen archive employs, or allows for the recording of, persistent identifiers linked to the data.

The text editor for this question contains the text: "NTL staff will mint persistent Digital Object Identifiers (DOIs) for each dataset stored in ROSA P. These DOIs will be associated with dataset documentation as soon as they become available for use. The DOIs associated with this dataset include: <https://doi.org/10.21949/1504583>". This text is highlighted with a red rectangular border. Below the text editor is a 'Save' button and a status message: "Answered 1 minute ago by zoe.mann.ctr@dot.gov".

On the right side of the page, there are two panels labeled 'Guidance' and 'Comments'. The 'Comments' panel is active, showing a 'DOT' tab and a text box with the following text: "When answering the question please write in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are compiled together at the end."

Archiving and Preservation Plans



Data Management Plan (DMP) for phase_id=1166

Learn Zoe Mann Language

Discuss how your chosen data repository meets the criteria outlined on the [Guidelines for Evaluating Repositories for Conformance with the DOT Public Access Plan](#) page.

B *I*

ROSA P meets all the criteria outlined on the "Guidelines for Evaluating Repositories for Conformance with the DOT Public Access Plan" page: <https://ntl.bts.gov/publicaccess/evaluatingrepositories.html>

Save

Answered 2 minutes ago by zoe.mann.ctr@dot.gov

+ 6. Policies Affecting this Data Management Plan (0 / 1)

Guidance Comments

DOT

When answering the question please write in complete sentences to ensure the DMP is complete and additional errors are prevented when all answers are compiled together at the end.

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Policies Affecting this Data Management Plan

Data Management Plan (DMP) for

dmptool.org/plans/67579/edit?phase_id=1166

LearnZoe MannLanguage

6. Policies Affecting this Data Management Plan (1 / 1)

Include policies that the data management plan was created to meet, such as the DOT public access plan.

B*I*

6. Policies Affecting this Data Management Plan:

This data management plan was created to meet the requirements enumerated in the U.S. Department of Transportation's "Plan to Increase Public Access to the Results of Federally-Funded Scientific Research" Version 1.1 << <https://doi.org/10.21949/1520559> >> and guidelines suggested by the DOT Public Access website << <https://doi.org/10.21949/1503647> >>, in effect and current as of July 19, 2021.

Save

Answered just now by zoe.mann.ctr@dot.gov

Guidance

Comments


DOT

Take the default answer and add any additional policies that affect your research project below.

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80°F Sunny

2:15 PM
7/22/2021

Research Outputs

Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972 Dataset

Project Details

Collaborators

Write Plan

Research Outputs

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Please list your anticipated research output(s).

Add a research output

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New research output

Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972 Dataset

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New research output

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* Type
Dataset

* Title
Truck Inventory and Use Survey (TIUS) 1972 Dataset

Abbreviation
TIUS 1972

Description

B *I*

The census of transportation, together with the censuses of retail and wholesale trade, selected service industries, manufactures, mineral industries, and construction industries comprise the economic census program of the Bureau of the Census. This program is required by law under Title 13 of the United States Code, sections 131 and 224. The present economic census collects statistics for the year 1972. Future censuses are scheduled by law for 5-year intervals. A large segment of transportation data is available from regulatory and other government agencies, and private organizations. For that reason, the statutory provisions concerning the census of transportation directed the Bureau to collect the kinds of data that were not publicly available from other sources. The objective was to avoid duplication and fill important gaps in transportation information. The census of transportation was undertaken for the first time on a national basis in 1963 and again in 1967. The 1972 census was taken under three separate surveys-National Travel, Truck Inventory and Use, and Commodity Transportation, each on a sample basis. The surveys are independent of each other and the results are published in three distinct series of reports.

☐ May contain sensitive data? ☐ May contain personally identifiable information?

New research output

Intended repositories

ROSA P [Remove](#)

ROSA P is the United States Department of Transportation (US DOT) National Transportation Library's (NTL) Repository and Open Science Access Portal (ROSA P). The name ROSA P was chosen to honor the role public transportation played in the civil rights movement, along with one of the important figures, Rosa Parks. To meet the requirements outlined in its legislative mandate, NTL collects research and resources across all modes of transportation and related disciplines, with specific focus on research, data, statistics, and information produced by USDOT, state DOTs, and other transportation organizations. Content types found in ROSA P include textual works, datasets, still image works, moving image works, other multimedia, and maps. These resources have value to federal, state, and local transportation decision makers, transportation analysts, and researchers.

[More info](#)

Add a repository

Metadata standards

Dublin Core [Remove](#)

A basic, domain-agnostic standard which can be easily understood and implemented, and as such is one of the best known and most widely used metadata standards.

Sponsored by the Dublin Core Metadata Initiative, Dublin Core was published as ISO Standard 15836 in February 2009.

<http://dublincore.org>

Add a metadata standard

Anticipated release date

08/13/2021



Initial access level

Open



Initial license

CC-BY-4.0



For guidance on selecting a license:
<https://creativecommons.org/about/cclicenses/>

Anticipated file size

1

GB



Save

Remove

Cancel

Research Outputs

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Official DOT Public Access Plan v...

dmptool.org/plans/67579/research_outputs

LearnZoe MannLanguageUS DOT Public Access staff

My DashboardCreate planAdmin Features

Notice: Successfully saved the research output.

Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972 Dataset

Project DetailsCollaboratorsWrite PlanResearch OutputsRequest feedbackDownloadFinalize / Publish

Please list your anticipated research output(s).

Title	Type	Repository	Release date	Access level	
Truck Inventory and Use Survey (TIUS) 1972 Dataset	Dataset	ROSA P	08-13-2021	Open	Actions

Add a research output

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Request expert feedback

Click below to give data management staff at United States Department of Transportation (DOT), the Plan Owner's org, access to read and comment on your plan.

A data librarian from Department of Transportation (DOT) will respond to your request within 4 business days. If you have questions pertaining to this action please contact us at public.access@dot.gov.

You can continue to edit and download the plan in the interim.

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Download

The screenshot shows a web browser window with the URL dmptool.org/plans/67579/download. The page title is "Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972 Dataset". The navigation bar includes links for "Learn", "Zoe Mann", and "Language". The main content area has a tabbed interface with "Download" selected. Under the "Download" tab, there are sections for "Format" (set to pdf), "Download settings" (with optional components like project details coversheet, question text and section headings, unanswered questions, and research outputs), and "PDF formatting" (with font face set to Arial, Helvetica, Sans-Serif, size 10, and margins of 25 mm). A red box highlights the "Download Plan" button.

Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1972 Dataset

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Format

pdf

Download settings

Optional Plan Components

- ☐ project details coversheet
- ☒ question text and section headings
- ☒ unanswered questions
- ☒ research outputs

PDF formatting

Font

Face: Arial, Helvetica, Sans-Serif

Size (pt): 10

Margin (mm)

Top	Bottom	Left	Right
25	25	25	25

Download Plan

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Finalize/Publish

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Set plan visibility

Public or organizational visibility is intended for finished plans. You must answer at least 50% of the questions to enable these options. Note: test plans are set to private visibility by default.

☐ Private: visible to me, specified collaborators and administrators at my organization

☐ Organization: anyone at my organization can view

☐ Public: anyone can view

Save

Register your plan and add to ORCID

Get a DMP ID for your data management plan.

In order to register your plan you must have completed the following:

- ✗ answered at least 50% of questions
- ✓ identified your funder
- ✗ authorized DMPTool to add works to your ORCID record via your DMPTool profile page
- ✗ plan is not a mock project for testing, practice, or educational purposes

Once the steps above are satisfied, a button to register your plan will appear here.

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Thank you!

- If you have any further questions, please feel free to contact **public.access@dot.gov**